

ABSTRACT

A method and apparatus for a beverage dispensing nozzle equipped with at least one flow director dispenses at lower flowrates. In a first embodiment, a single flavor beverage dispensing nozzle equipped with at least one flow director segments the flow and reduces the cross sectional area of the fluid stream, thereby forcing product to move downward. A second embodiment provides an improvement to an existing beverage dispensing nozzle, by adding at least one flow director in an annular channel of the beverage dispensing nozzle. The addition of the at least one flow director in the annular channel provides the beverage dispensing nozzle with the ability to dispense product at lower flowrates by increasing the velocity component of the exiting product. The exiting product now has sufficient energy to separate from the beverage dispensing nozzle. Methods for using the beverage dispensing nozzles with the at least one flow director are also presented.